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[Home](#)
[About Us](#)
[Quality](#)
[Infrastructure](#)
[Contact Us](#)
[Enquiry](#)


[Home](#) » [Liquid](#) »
Carbomer 934P / 974P

Our Products

CARBOMER 934P / 974P

CARBOMER range are synthetic high molecular weight crosslinked polymers of acrylic acid, which confirm to USP./INF. specifications as "CARBOMER"

Use

CARBOMER range, are water soluble polymer use to :

Thicken	To produce wide range of viscosities and flow properties.
Suspend	Insoluble ingredients.
Stabilize & Emulsify	Emulsions

Tablets

Binding Agents

Micro Crystalline Cellulose (Spray Dried)
Micro Crystalline Cellulose (Non Spray Dried)
Lactose
Poly Vinyl Pyrrolidone K-30
Ethyl Cellulose

Extra Super Disintegrant

Polacrillin Potassium

Disintegrant

Sodium Starch Glycollate
Cross Carmellose Sodium
Calcium C.M.C.

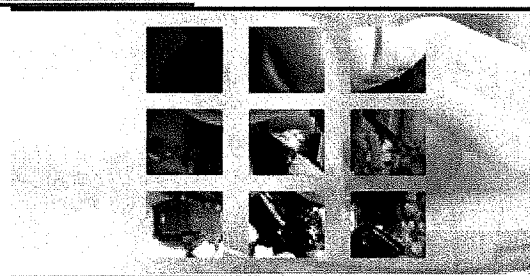
Lubricants

Magnesium Stearate IP
Polyoxyl 40 Hydrogenated Castor Oil
Lake Colours
Micro Crystalline Cellulose & Guar Gum
Aqueous Enteric Coating Polymer

Coatings

Spirulina (Most Amazing food on earth)

Liquid



Grade & Applications

Grades	Solvent used in process
Carbomer 934P / 974P (Benzene free)	Benzene Cyclohexane & ethyl acetate

Carbomer 934P / 974P - High purity oral pharmaceutical grade for formulations.

- Gel, Lotion and ointment.
- Oral liquid, suspension and emulsion.
- Sustained release formulation by matrix system.
- Ophthalmic gel and eye - lotion.
- Transdermal (skin) drug delivery.
- Taste masking.

Advantages

Thickening efficiency	High viscosities at low concentrations.
Uniform performance	Reproducibility unattainable with natural gums.
Safety	Years of successful use of carbomers.
Temperature stability	Extended up to 75 ⁰ C heating or cooling
Unaffected by aging	Excellent self life.
Microbial resistance	Resists bacterial attack and does not support mold growth
Versatility	Although primarily used in aqueous systems with neutralization. It can also be used in solvent systems, with or without neutralization.
Elegance	Smooth and luxurious feeling.

Chilling Properties

On refrigeration CARBOMER gel can retaining the cool temperature level for 48 hours to 72 hours. Low temperature necessary for vaccines, toxoids, insulin and human albumin can be store in pre-refrigerated CARBOMER gel, making it as a suitable medium for transporting these medicines.

Specifications

Appearance	White fine free flowing powder.
Odour	Mild acidic.

Sodium Carboxy Methyl Cellulose

Polyoxyl 40 Hydrogenated Castor Oil

Carbomer 934P/974P

Taste Masking Resins - 114 / 134 / 104 (for different application)

Simithicone - Oil/Emulsion 33%

Xanthan Gum

Veegum

Aspartame

Micro Crystalline Cellulose &

Carboxy Methyl Cellulose Sodium USP, NF, BP

Injectable

Ranitidine HCL

Polyoxyl 40 Hydrogenated Castor Oil

Ointment

Carbomer - 934/974

Carbomer - 940/980

Carbomer - 941/971

Polyoxyl 40 Hydrogenated Castor Oil

pH of 1% solution	2.5 to 3
Carboxylic content	56% to 68%
Heavy metals	Max. 2 ppm
Temperature stability	Up to 75°C

Grades

Grades	Viscosity (20°C, 0.5% Neutralization)
Carbomer 934P / 974P	29,400 - 39,400 cps.

Preparation of Aqueous Transparent Gel

D.M. water	97.0 gm.
Carbomer (Any Grade)	0.5 gm.
Sodium Hydroxide (10% solution)	2.5 gm.

Neutralizers Recommended

Sodium Hydroxide	Potassium Hydroxide
Triethanol Amine	Triethyl amine, other alkalies etc..

Toxicity

CARBOMER is a high molecular weight polymer. It is not absorbed by body tissues and is totally safe for human oral consumption. Test for toxicological tolerance show that it does not have pronounced physiological action and is non toxic.

Storage

Store in cool dry place. Keep away from moisture and water

Packing

5 kg., 20 kg., net in corrugated box.

Certificate of Analysis (CARBOMER - 974P)

No.	Test	Specification	Results
1	Description	White Free Flowing Powder	White Free Flowing Powder
2	Solubility	Complies	Alkali Water



3	Identification	A. Complies B. Complies	Complies
4	Viscosity (0.5% Solution)	Bet'n 29400 To 39400 Cps	36200 Cps
5	Loss on Drying	NMT 2.0%	1.2%
6	Heavy Metals	NMT 0.002%	Complies
7	Assay For Carboxylic Acid Content	Bet'n 56.0% To 68.0%	59.8%

Certificate of Analysis (CARBOMER - 934P)

No.	Test	Specification	Results
1	Description	White Free Flowing Powder	White Free Flowing Powder
2	Solubility	Complies	Alkali Water
3	Identification	A. Complies B. Complies	Complies
4	Viscosity (0.5% Solution)	Bet'n 29400 To 39400 Cps	38850 Cps
5	Loss on Drying	NMT 2.0%	0.9%
6	Heavy Metals	NMT 0.002%	Complies
7	Limit Of Benzene (By Gc)	NMT 0.01%	0.0021%
8	Organic Volatile Impurities	Complies	Complies
9	Assay For Carboxylic Acid Content	Bet'n 56.0% To 68.0%	59.9%

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